



*HB*  
*S. Zimmerman* 3722

ETH-1616

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of  
J. JENNY YUAN, ET AL.

Group Art Unit: 3722

Serial No.: 10/032,833

Confirmation No.: 9040

Filed: December 27, 2001

For: CANNULATED SCREW AND  
ASSOCIATED DRIVER SYSTEM

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Honorable Commissioner of Patents  
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**INFORMATION DISCLOSURE STATEMENT** TECHNOLOGY CENTER R3700

Sir:

In accordance with the provisions of 37 C.F.R. §§ 1.97 and 1.98, applicants  
and their attorney respectfully request that the following patents and publications, copies  
of which are attached hereto, be made of record in the official United States Patent and  
Trademark Office file relating to the above-identified application.

U.S. Patents

4,105,034	5,443,482	5,711,669
4,130,639	5,464,929	5,743,914
4,141,087	5,470,334	5,824,011
4,205,399	5,522,817	5,824,247
4,537,185	5,529,736	5,827,287
4,927,421	5,571,139	5,859,150
4,950,270	5,584,836	5,928,236
5,062,843	5,597,579	5,964,783
5,152,790	5,618,552	5,968,045
5,156,616	5,632,748	6,001,101
5,169,400	5,645,547	6,022,352
5,348,026	5,645,850	6,099,529
5,364,400	5,695,497	6,162,225
5,370,662	5,698,213	

### Foreign Patent Publications

European Patent Publication No. 0 390 613  
European Patent Publication No. 0 471 334  
European Patent Publication No. 0 502 698  
European Patent Publication No. 0 913 131  
European Patent Publication No. 0 916 312  
Japanese Patent Publication No. 11-70126  
International Patent Publication No. WO 93/15682  
International Patent Publication No. WO 94/07425  
International Patent Publication No. WO 95/18577  
International Patent Publication No. WO 96/09014  
International Patent Publication No. WO 96/25104  
International Patent Publication No. WO 97/46167  
International Patent Publication No. WO 99/11177  
International Patent Publication No. WO 00/24324  
International Patent Publication No. WO 00/59389

### Publications

Allcock, H.R., et al., "Poly(phenylene Ether) to Radical Polymerization",  
Encyclopedia of Polymer Science and Engineering,  
John Wiley & Sons, Inc., Volume 13, 1988, pp. 31-41

Cohn, D. et al., "Biodegradable PEO/PLA Block Copolymers",  
Journal of Biomedical Materials Research, Volume 22,  
John Wiley & Sons, Inc., 1988, pp. 993-1009

Cohn, D., "New Tailor-made Biodegradable Polymeric Biomaterials",  
Polymer Preprints, Volume 30, The Division of Polymer Chemistry, Inc.,  
April 1989, p. 498

Feagin, Jr., J.A. (ed.), "Diagnosis and Treatment of Ligamentous Injuries  
About the Knee", The Crucial Ligaments, Churchill Livingstone, Inc.,  
New York, 1988, pp. 179-195 and 401-408

Fu, F.H., et al., "Current Trends in Anterior Cruciate Ligament Reconstruction,  
Part I: Biology and Biomechanics of Reconstruction",  
The American Journal of Sports Medicine, Volume 27, No. 6,  
American Orthopaedic Society for Sports Medicine, 1999, pp. 821-830

Fu, F.H., et al., "Current Trends in Anterior Cruciate Ligament Reconstruction,  
Part II: Operative Procedures and Clinical Correlations",  
The American Journal of Sports Medicine, Volume 28, No. 1,  
American Orthopaedic Society for Sports Medicine, 2000, pp. 124-130

Heller, J., "Poly (Ortho Esters)", Handbook of Biodegradable Polymers,  
Hardwood Academic Publishers, 1997, pp. 99-118

Kemnitzer, J. and Kohn, J., "Degradable Polymers Derived from The Amino Acid L-Tyrosine", Handbook of Biodegradable Polymers, Harwood Academic Publishers, 1997, pp. 251-272

Rosen, V. and Thies, R.S., The Cellular and Molecular Basis of Bone Formation and Repair, R.G. Landes Company, Texas, 1995, pp. 1-41

Vandorpe, J. et al., "Biodegradable Polyphosphazenes for Biomedical Applications", Handbook of Biodegradable Polymers, Harwood Academic Publishers, 1997, pp. 161-182

Applicants' attorney is not presently in possession of an English-language translation of Japanese Patent Publication No. 1170126. In the event the Examiner decides that an English-language translation of this document would be helpful, applicants' attorney will provide the United States Patent and Trademark Office with an appropriate English-language translation of same. The remaining references are in the English-language and, therefore, no comments regarding their relevance to the present application are deemed necessary.

In addition, applicants' attorney would like to inform the Examiner of the following two co-pending patent applications which are owned by the assignee of the present application (i.e., Ethicon, Inc.).

U.S. Patent Appln. Serial No. 09/969,779, entitled  
"SELF-TAPPING RESORBABLE TWO-PIECE BONE SCREW",  
filed September 28, 2001,  
Inventors: Kevor S. TenHuisen, Victor F. Janas, Kevin L. Cooper,  
David W. Overaker and J. Jenny Yuan

U.S. Patent Appln. Serial No. 10/033,543, entitled  
"POLYMER-BASED ORTHOPEDIC SCREW AND DRIVER SYSTEM  
WITH INCREASED INSERTION TORQUE TOLERANCE AND  
ASSOCIATED METHOD FOR MAKING AND USING SAME",  
filed December 27, 2001,  
Inventors: Joseph H. Contiliano, J. Jenny Yuan and Kevor S. Tenhuisen

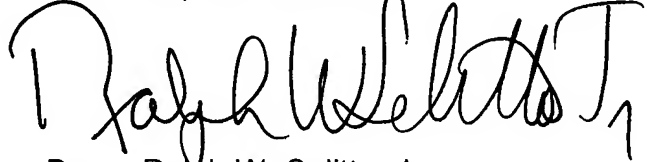
Pursuant to 37 C.F.R. 1.98, copies of the aforesaid patent applications are enclosed herewith for the Examiner's convenience.

In order to facilitate the Examiner's citation of the patents and publications listed above, applicants' attorney has completed United States Patent and Trademark Office Form PTO-1449. The completed Form is attached hereto for the Examiner's convenience.

No fees are believed to be due in connection with the submission of this Information Disclosure Statement. If any such fees are due, the Examiner is hereby authorized to charge them to Deposit Account No. 19-1218.

Respectfully Submitted,

SELITTO, BEHR & KIM

A handwritten signature in black ink, appearing to read "Ralph W. Selitto, Jr.", written over the printed name.

By: Ralph W. Selitto, Jr.  
Reg. No. 26,996

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Metuchen, New Jersey 08840  
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U.S. Department of Commerce  
Patent and Trademark OfficeAtty. Docket No.  
ETH-1616Serial No.  
10/032,833

## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Applicant  
J. JENNY YUAN, ET AL.Filing Date  
December 27, 2001Group Art Unit  
3722

## U. S. PATENT DOCUMENTS

*Examiner Initial		Document Number							Date	Name	Class	Sub-class	Filing Date If Appropriate
	AA	4	1	0	5	0	3	4	8/8/78	Shalaby et al.			
	AB	4	1	3	0	6	3	9	12/19/78	Shalaby et al.			
	AC	4	1	4	1	0	8	7	2/27/79	Shalaby et al.			
	AD	4	2	0	5	3	9	9	6/3/80	Shalaby et al.			
	AE	4	5	3	7	1	8	5	8/27/85	Stednitz			
	AF	4	9	2	7	4	2	1	5/22/90	Goble et al.			
	AG	4	9	5	0	2	7	0	8/21/90	Bowman et al.			
	AH	5	0	6	2	8	4	3	11/5/91	Mahony, III			
	AI	5	1	5	2	7	9	0	10/6/92	Rosenberg et al.			
	AK	5	1	5	6	6	1	6	10/20/92	Meadows et al.			

## FOREIGN PATENT DOCUMENTS

*Examiner Initial		Document Number							Date	Name	Class	Sub-class	Translation	
													Yes	No
	AL	0	3	9	0	6	1	3	8/10/94	Europe				
	AM	0	4	7	1	3	3	4	6/18/97	Europe				
	AN	0	5	0	2	6	9	8	11/12/97	Europe				
	AO	0	9	1	3	1	3	1	5/6/99	Europe				
	AP	0	9	1	6	3	1	2	5/19/99	Europe				
	AQ	1	1	7	0	1	2	6	3/16/99	Japan				

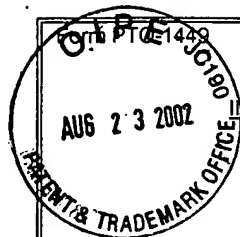
## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Page, Etc.)

	AR	Allcock, H.R., et al., "Poly(phenylene Ether) to Radical Polymerization", Encyclopedia of Polymer Science and Engineering, John Wiley & Sons, Inc., Volume 13, 1988, pp. 31-41
	AS	Cohn, D. et al., "Biodegradable PEO/PLA Block Copolymers", Journal of Biomedical Materials Research, Volume 22, John Wiley & Sons, Inc., 1988, pp. 993-1009
	AT	Cohn, D., "New Tailor-made Biodegradable Polymeric Biomaterials", Polymer Preprints, Volume 30, The Division of Polymer Chemistry, Inc., April 1989, p. 498

Examiner

Date Considered

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	AA	5	1	6	9	4	0	0	12/8/92	Muhling et al.			
	AB	5	3	4	8	0	2	6	9/20/94	Davidson			
	AC	5	3	6	4	4	0	0	11/15/94	Rego, Jr. et al.			
	AD	5	3	7	0	6	6	2	12/6/94	Stone et al.			
	AE	5	4	4	3	4	8	2	8/22/95	Stone et al.			
	AF	5	4	6	4	9	2	9	11/7/95	Bezwada et al.			
	AG	5	4	7	0	3	3	4	11/28/95	Ross et al.			
	AH	5	5	2	2	8	1	7	6/4/96	Sander et al.			
	AI	5	5	2	9	7	3	6	6/25/96	Shalaby et al.			
	AK	5	5	7	1	1	3	9	11/5/96	Jenkins, Jr.			

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## FOREIGN PATENT DOCUMENTS

*Examiner Initial		Document Number							Date	Name	Class	Sub-class	Translation	
													Yes	No
	AL	9	3	1	5	6	8	2	8/19/93	International				
	AM	9	4	0	7	4	2	5	4/14/94	International				
	AN	9	5	1	8	5	7	7	7/13/95	International				
	AO	9	6	0	9	0	1	4	3/28/96	International				
	AP	9	6	2	5	1	0	4	8/22/96	International				
	AQ	9	7	4	6	1	6	7	12/11/97	International				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Page, Etc.)

	AR	Feagin, Jr., J.A. (ed.), "Diagnosis and Treatment of Ligamentous Injuries About the Knee", The Crucial Ligaments, Churchill Livingstone, Inc., New York, 1988, pp. 179-195 and 401-408											
	AS	Fu, F.H., et al., "Current Trends in Anterior Cruciate Ligament Reconstruction, Part I: Biology and Biomechanics of Reconstruction", The American Journal of Sports Medicine, Volume 27, No. 6, American Orthopedic Society for Sports Medicine, 1999, pp. 821-830											
	AT	Fu, F.H., et al., "Current Trends in Anterior Cruciate Ligament Reconstruction, Part II: Operative Procedures and Clinical Correlations", The American Journal of Sports Medicine, Volume 28, No. 1, American Orthopedic Society for Sports Medicine, 2000, pp. 124-130											

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Patent and Trademark OfficeAtty. Docket No.  
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	AA	5	5	8	4	8	3	6	12/17/96	Ballintyn et al.			
	AB	5	5	9	7	5	7	9	1/28/97	Bezwada et al.			
	AC	5	6	1	8	5	5	2	4/8/97	Bezwada et al.			
	AD	5	6	3	2	7	4	8	5/27/97	Beck, Jr. et al.			
	AE	5	6	4	5	5	4	7	7/8/97	Coleman			
	AF	5	6	4	5	8	5	0	7/8/97	Bezwada et al.			
	AG	5	6	9	5	4	9	7	12/9/97	Stahelin			
	AH	5	6	9	8	2	1	3	12/16/97	Jamiolkowski et al.			
	AI	5	7	1	1	6	6	9	1/27/98	Hurson			
	AK	5	7	4	3	9	1	4	4/28/98	Skiba			

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													Yes	No
	AL	9	9	1	1	1	7	7	3/11/99	International				
	AM	0	0	2	4	3	2	4	5/4/00	International				
	AN	0	0	5	9	3	8	9	10/12/00	International				
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	AP													
	AQ													

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Page, Etc.)

	AR	Heller, J., "Poly (Ortho Esters)", Handbook of Biodegradable Polymers, Harwood Academic Publishers, 1997, pp. 99-118
	AS	Kemnitzer, J. and Kohn, J., "Degradable Polymers Derived from The Amino Acid L-Tyrosine", Handbook of Biodegradable Polymers, Harwood Academic Publishers, 1997, pp. 251-272
	AT	Rosen, V. and Thies, R.S., The Cellular and Molecular Basis of Bone Formation and Repair, R.G. Landes Company, Texas, 1995, pp. 1-41

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	AA	5	8	2	4	0	1	1	10/20/98	Stone et al.			
	AB	5	8	2	4	2	4	7	10/20/98	Tunc			
	AC	5	8	2	7	2	8	7	10/27/98	Tunc			
	AD	5	8	5	9	1	5	0	1/12/99	Jamiolkowski et al.			
	AE	5	9	2	8	2	3	6	7/27/99	Augagneur et al.			
	AF	5	9	6	4	7	8	3	10/12/99	Grafton et al.			
	AG	5	9	6	8	0	4	5	10/19/99	Frazier			
	AH	6	0	0	1	1	0	1	12/14/99	Augagneur et al.			
	AI	6	0	2	2	3	5	2	2/8/00	Vandewalle			
	AK	6	0	9	9	5	2	9	8/8/00	Gertzman et al.			

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	AR		Vandorpe, J. et al., "Biodegradable Polyphosphazenes for Biomedical Applications", Handbook of Biodegradable Polymers, Harwood Academic Publishers, 1997, pp. 161-182
	AS		
	AT		

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	AC												
	AD												
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